

# **RULE 227 PETROLEUM DRY CLEANING OPERATIONS**

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**A. GENERAL**

**1. PURPOSE**

To limit the emission of volatile organic compounds from the following affected facilities located at a petroleum dry cleaning plant; dryers, washers, filters, stills and settling tanks. This rule applies to petroleum dry cleaning plants, constructed, reconstructed, or modified after December 14, 1982.

**2. EXEMPTION**

SMALL DRY CLEANING PLANTS - DRY CLEANING PLANTS WITH A TOTAL MANUFACTURER'S RATED DRYER capacity less than 38 kilograms (84 pounds) shall comply with this rule within five (5) years of the date of adoption..

**B. DEFINITIONS**

- 1. CARTRIDGE FILTER** - A discrete filter unit containing both filter paper and activated carbon that traps and removes contaminants from petroleum solvent, together with the piping and ductwork used in the installation of this device.
- 2. DRYER** - A machine used to remove petroleum solvent from articles of clothing, leather goods or other textiles, after washing and removing of excess petroleum solvent, together with the piping and ductwork used in the installation of this device.
- 3. MANUFACTURER'S RATED DRYER CAPACITY** - The dryer's rated capacity of articles, in pounds or kilograms of clothing articles per load, dry basis, that is typically found on each dryer, on the manufacturer's name-plate or in the specifications.
- 4. PERCEPTIBLE LEAKS** - Any petroleum solvent vapor or liquid leaks that are conspicuous from visual observation or that bubble after application of a soap solution, such as pools or droplets of liquid or containers of solvent or solvent laden waste standing open to the atmosphere.
- 5. PETROLEUM DRY CLEANER** - A dry cleaning facility that uses petroleum solvent in a combination of washers, dryers, filters, stills, and settling tanks.
- 6. SETTLING TANK** - A container that gravimetrically separates oils, grease, and dirt from petroleum solvent, together with the piping and ductwork used in the installation of this device.
- 7. SOLVENT FILTER** - A discrete solvent filter unit containing a porous medium that traps and removes contaminants from petroleum solvent, together with the piping and ductwork used in the installation of this device.
- 8. SOLVENT RECOVERY DRYER** - A class of dry cleaning dryer that employs a condenser to condense and recover solvent vapors evaporated in a closed loop stream of heated air, together with the piping and ductwork used in the installation of this device.
- 9. STILL** - A device used to volatilize, separate, and recover petroleum solvent from contaminated solvent, together with the piping and ductwork used in the installation of this device.
- 10. WASHER** - A machine which agitates fabric articles in a petroleum solvent bath and spins the articles to remove the solvent, together with the piping and ductwork used in the installation of this device.

## **C. STANDARDS**

1. EQUIPMENT INSTALLATION AND OPERATION - A person shall comply with the following requirements:
  - a. Solvent Recovery Dryers - A dryer that is installed in a petroleum dry cleaning facility shall be a solvent recovery dryer. The solvent recovery dryer(s) shall be properly installed, operated, and maintained.
  - b. Cartridge Filters - The petroleum solvent filter installed shall be a cartridge filter. Cartridge filters shall be drained in their sealed housing for at least 24 hours prior to their removal.
  - c. Transfer of Cleaned Articles - Cleaned articles must be immediately transferred from the washer to the dryer, or stored in enclosed transfer carts.
  - d. Operating Requirement - There is no perceptible leak from any portion of the equipment.
2. OTHER REQUIREMENTS - The requirements prescribed in this rule apply on and after the date on which the performance test is required to be conducted, as given in Regulation V, Rule 501, Section 307, Performance Testing. If any other rule in these rules and regulations is more restrictive, that shall apply.

## **D. ADMINISTRATIVE REQUIREMENTS**

1. LABELING REQUIREMENTS - A dry cleaning plant owner or operator shall post a clearly visible label specifying information for solvent recovery dryers. Such information should state: "To protect against fire hazards, loss of valuable solvents, and emissions of solvent to the atmosphere, periodic inspection of this equipment for evidence of leaks and prompt repair of any leaks is recommended." This District recommends that the equipment be inspected every 15 days and all vapor or liquid leaks be repaired within the subsequent 15 day period.

## **E. MONITORING AND RECORDS**

1. MONITORING AND RECORD KEEPING REQUIREMENTS - A person subject to the requirements of this rule shall maintain a record of the performance test required under Regulation IV, Rule 410.
2. TEST METHODS AND PROCEDURES - A person subject to the requirements of this rule shall comply with the test methods and procedures contained in Section 60.624 of 40 CFR Part 60, Subpart JJJ.